

FIG. 1
-PRIOR ART-

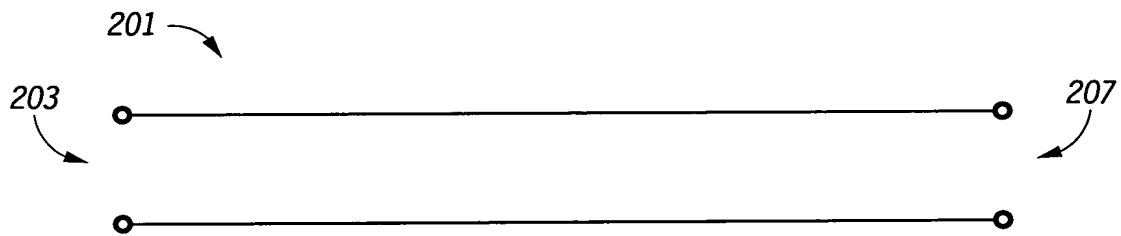


FIG. 2
-PRIOR ART-



FIG. 3
-PRIOR ART-

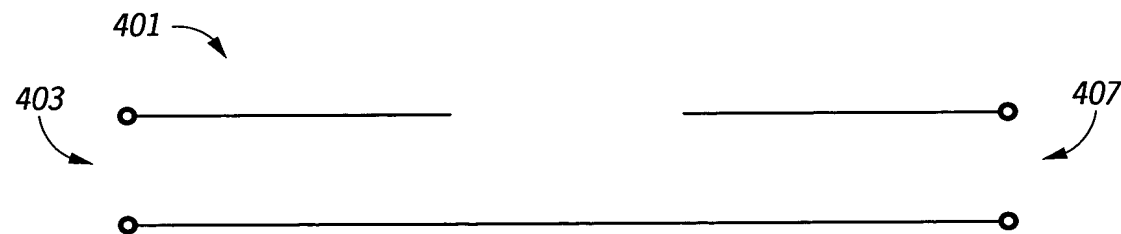


FIG. 4
-PRIOR ART-

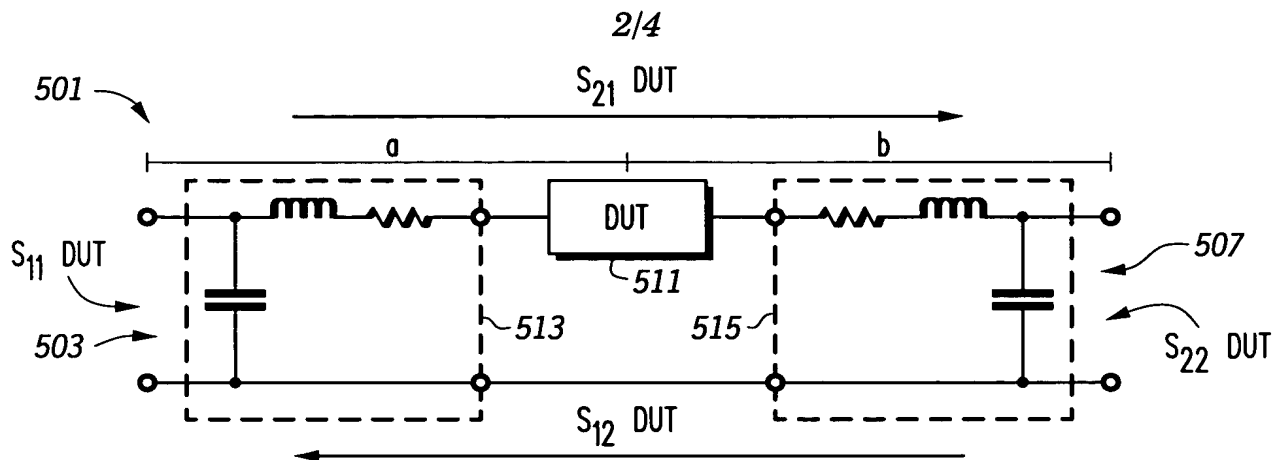


FIG. 5

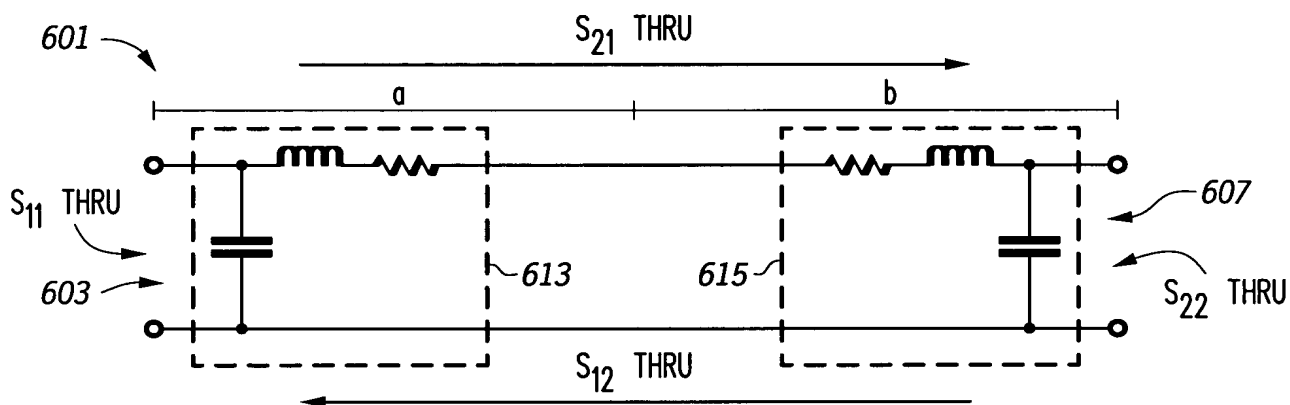


FIG. 6

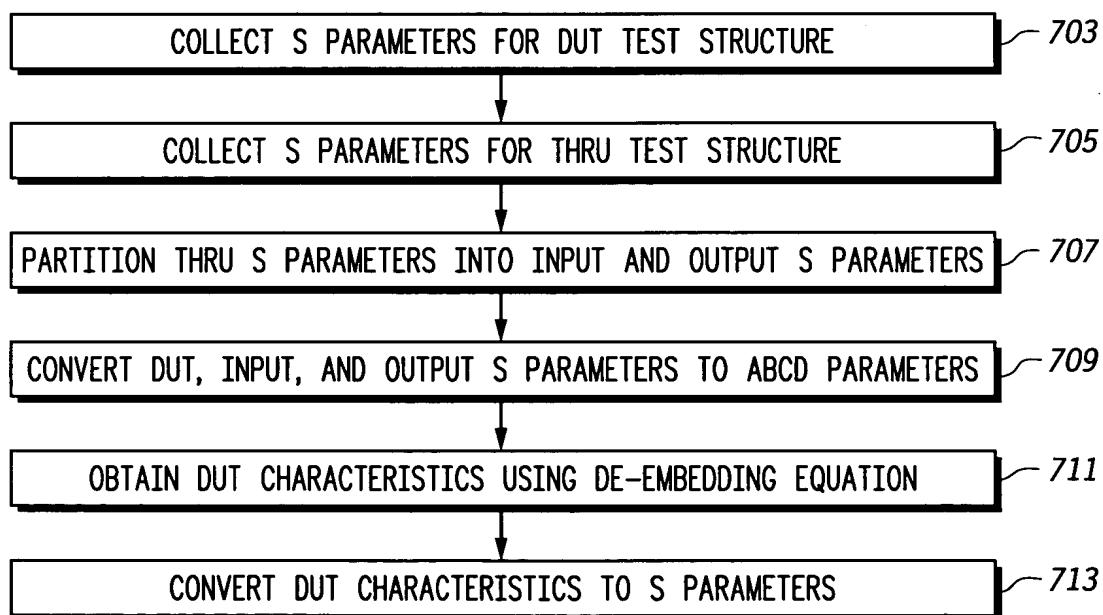


FIG. 7

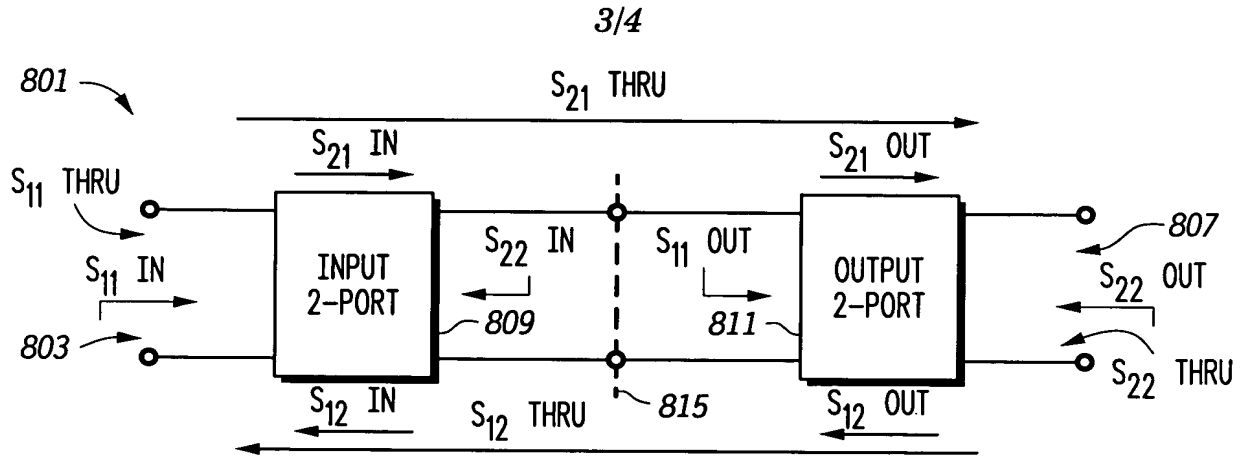


FIG. 8

$$\begin{aligned}
 901 &\rightarrow S_{11} \text{ IN} = S_{11} \text{ THRU} \\
 903 &\rightarrow S_{22} \text{ OUT} = S_{22} \text{ THRU} \\
 905 &\rightarrow S_{22} \text{ IN} = S_{11} \text{ OUT} = 0 + j0 \\
 907 &\rightarrow |S_{21} \text{ IN}| = |S_{21} \text{ OUT}| = \sqrt[X]{|S_{21} \text{ THRU}|} \\
 909 &\rightarrow \angle S_{21} \text{ IN} = \angle S_{21} \text{ OUT} = \frac{\angle S_{21} \text{ THRU}}{X} \\
 911 &\rightarrow |S_{12} \text{ IN}| = |S_{12} \text{ OUT}| = \sqrt[X]{|S_{12} \text{ THRU}|} \\
 913 &\rightarrow \angle S_{12} \text{ IN} = \angle S_{12} \text{ OUT} = \frac{\angle S_{12} \text{ THRU}}{X} \\
 915 &\rightarrow X = \frac{b + a}{a}
 \end{aligned}$$

FIG. 9

$$1001 \rightarrow \text{DMBD}_{\text{ABCD}} = \text{IN}_{\text{ABCD}}^{-1} * \text{DUT}_{\text{ABCD}} * \text{OUT}_{\text{ABCD}}^{-1}$$

FIG. 10

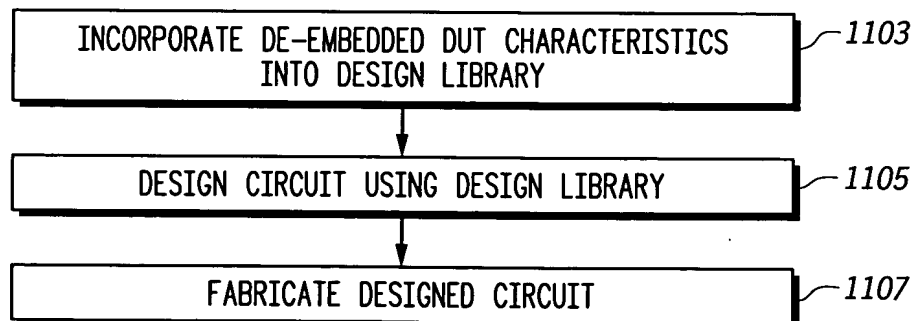


FIG. 11

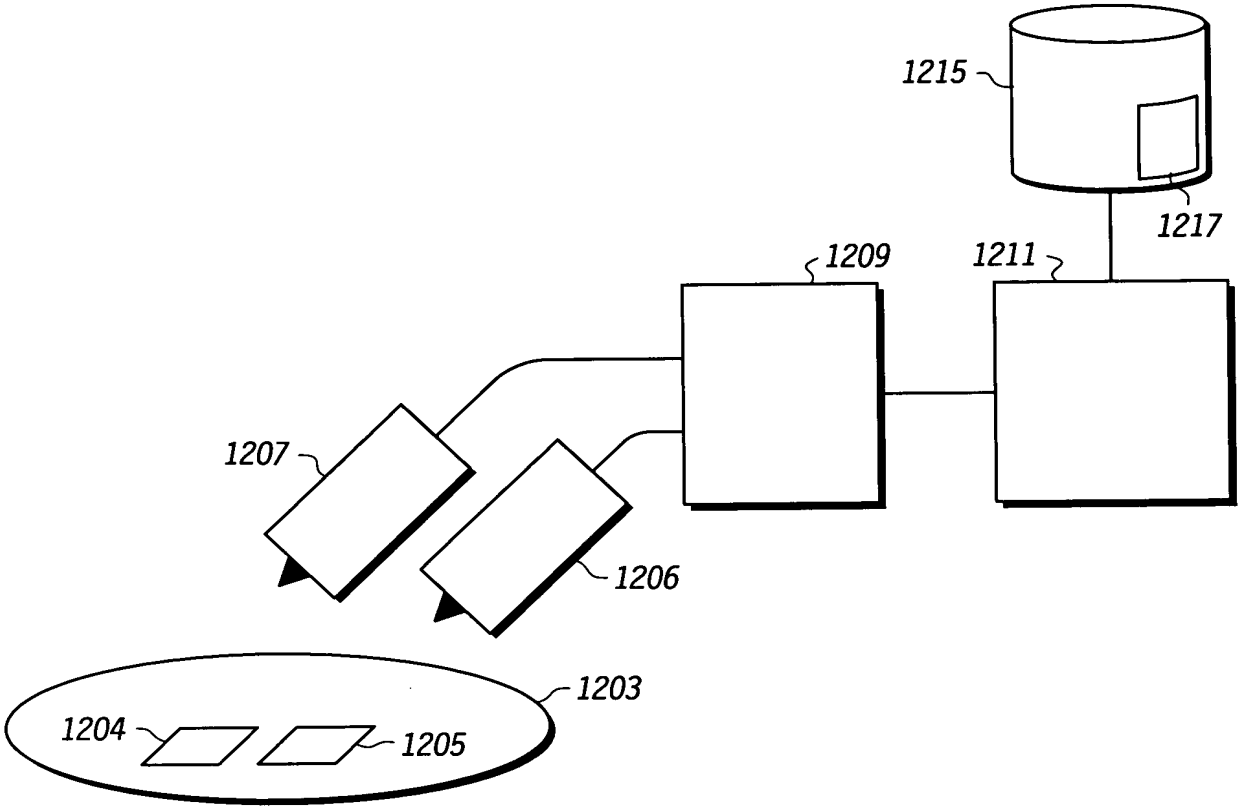


FIG. 12